

CLAIM AMENDMENTS

Claims 1-33 (canceled).

Claim 34 (new): A green switch-mode power supply with standby function, comprising:

a standby switched-mode power supply, comprising a standby converter circuit, a standby feedback circuit, and a standby control circuit; and

a main switched-mode power supply, comprising a main converter circuit, a main feedback circuit, and a main control circuit, wherein said main switched-mode power supply is subjected to a remote control signal to be on/off, wherein said main feedback circuit comprises a main sampling circuit, a main error amplifier, a main isolation circuit, and a remote control circuit, wherein said main control circuit comprises a main pulse adjustable circuit, a main driven circuit and a main switched-mode power supply prohibitive circuit; and

a supplemental circuit, comprising an initiating circuit, a rectifying filter circuit, wherein DC terminal of said standby switched-mode power supply, said standby control circuit, DC input terminal of said main switch-mode power supply and said main control circuit are common grounded; and

a monolithic green switched-mode power supply IC integrated with said standby control circuit, said main control circuit and said initiating circuit of said supplemental circuit, wherein said monolithic green switched-mode power supply IC is activated by said initiating circuit and is power-supplied by said standby switch-mode power supply,

wherein said remote control signal is sent to said main control circuit in response to a main error signal for controlling said main switch-mode power supply on/off, wherein when said remote control signal is an "off" signal, said remote control circuit force said main error signal being less than a predetermined threshold value, when said remote control signal is an "on" signal, said remote control circuit is deactivated, such that said main sampling circuit outputs a voltage signal to said main error amplifier to generate an optically coupled current through said main isolation circuit so as to output a main error signal; wherein said main error signal is monitored by said main switched-

mode power supply prohibitive circuit, when said main error signal is smaller than said threshold value, said remote control signal is assumed to be said "off" signal, such that said switched-mode power supply prohibitive circuit forces said main driven circuit to output a low electric level so as to switch off said main switch-mode power supply, and when said main error signal is not smaller than said threshold value, said remote control signal is assumed to be said "on" signal, that said main pulse adjustable circuit generates a main pulse in responsive to said main error signal, such that said main driven circuit is normally operating to switch on said main switch-mode power supply.

Claim 35 (new): The green switch-mode power supply with standby function, as recited in claim 34, wherein an optical coupling is applied in said remote control circuit for sending said remote control signal to said main control circuit, wherein when said remote control signal is an "off" signal, said main switched-mode power supply prohibitive circuit forces said main driven circuit to output a low electric level so as to switch off said main switch-mode power supply, and when said remote control signal is an "on" signal, said main pulse adjustable circuit generates a main pulse in responsive to said main error signal, such that main driven circuit is normally operating to switch on said main switch-mode power supply.

Claim 36 (new): The green switch-mode power supply IC with standby function, as recited in claim 35, wherein said standby control circuit further comprises a standby pulse adjustable circuit and a standby driven circuit, said standby pulse adjustable circuit generating a standby pulse signal in response to a standby error signal, wherein said main control circuit further comprises said main pulse adjustable circuit, said main driven circuit and said main switch-mode power supply prohibitive circuit; wherein said remote control signal is sent to said main switched-mode power supply prohibitive circuit, when said remote control signal is an "off" signal, said main switched-mode power supply prohibitive circuit forces said main driven circuit to output a low electric level so as to switch off said main switch-mode power supply, and when said remote control signal is an "on" signal, said main pulse adjustable circuit generates a main pulse in responsive to said main error signal, such that main driven circuit is normally operating to switch on said main switch-mode power supply.

Claim 37 (new): The green switch-mode power supply IC with standby function, as recited in claim 35, wherein said IC is further integrated with a PFC error amplifier

and a PFC control circuit, wherein said PFC control circuit comprises a PFC pulse adjustable circuit and a PFC driven circuit.

Claim 38 (new): The green switch-mode power supply IC with standby function, as recited in claim 36, wherein said IC is further integrated with a PFC error amplifier and a PFC control circuit, wherein said PFC control circuit comprises a PFC pulse adjustable circuit and a PFC driven circuit.